

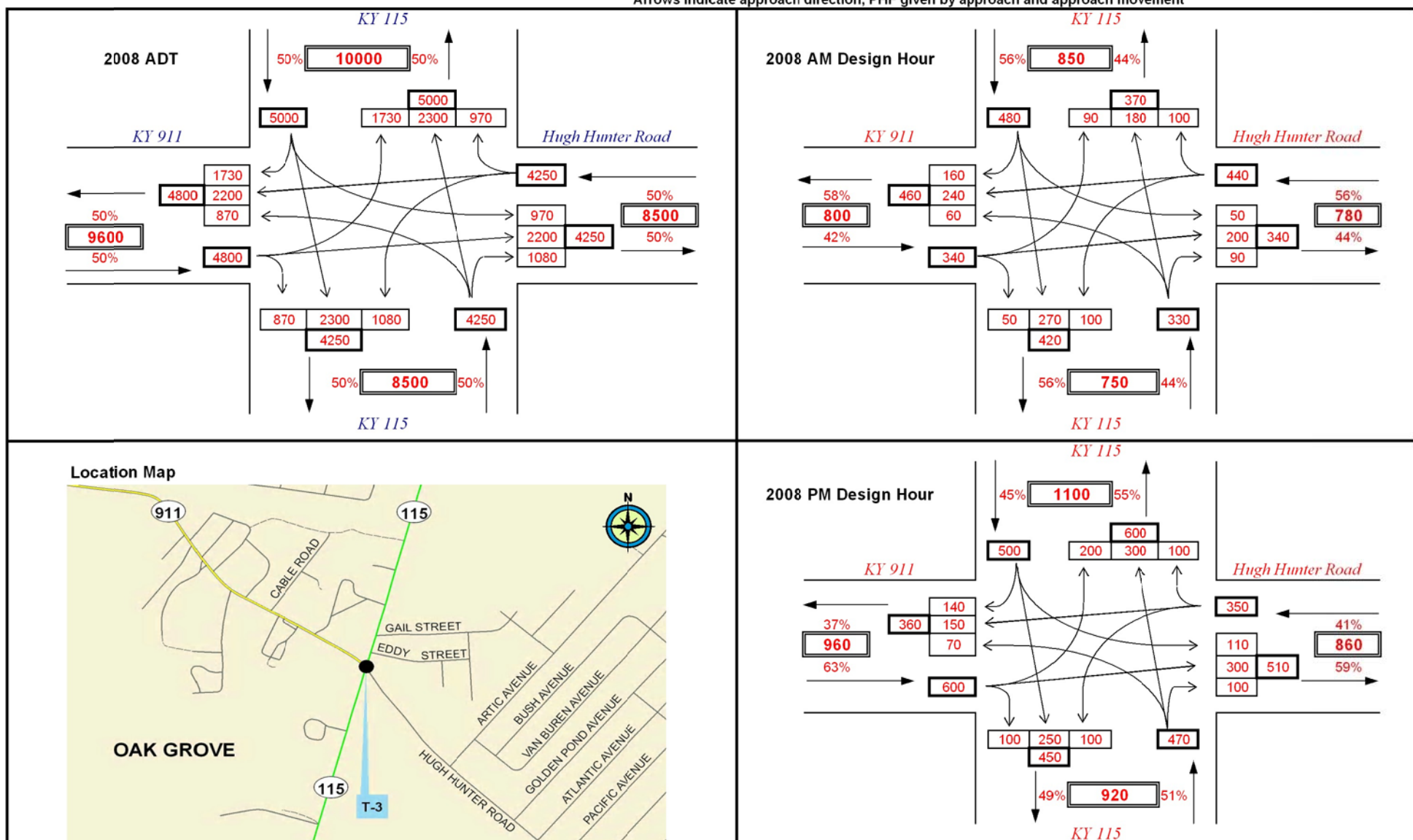
INTERSECTION ANALYSIS

PROJECT: KY 911 Major Widening
ITEM NUMBER: 2-180.00
MARS NUMBER: 8022801D
REQUEST DATE: 10/2/2007
ANALYST: N. Wilkinson
SCENARIO: 2030 ADT and Design Hour Volumes
INTERSECTION: T3: KY 911 @ KY 115

NOTE: K-Factors, Directional Distributions, and Peak Hour Factors were determined from a 2007 Turning Movement Count. AM and PM DHVs represent 30th highest hour estimates for each turn maneuver.

Peak Hour Factors	AM	PM	AM	PM	AM	PM	AM	PM
Southbound	0.98	0.94	0.95	0.95	0.93	0.93	0.87	0.90
Northbound	0.90	0.93	0.77	0.95	0.93	0.90	0.63	0.91
Westbound	0.93	0.88	0.77	0.70	0.79	0.88	0.75	0.80
Eastbound	0.87	0.90	0.89	0.75	0.79	0.80	0.68	0.92

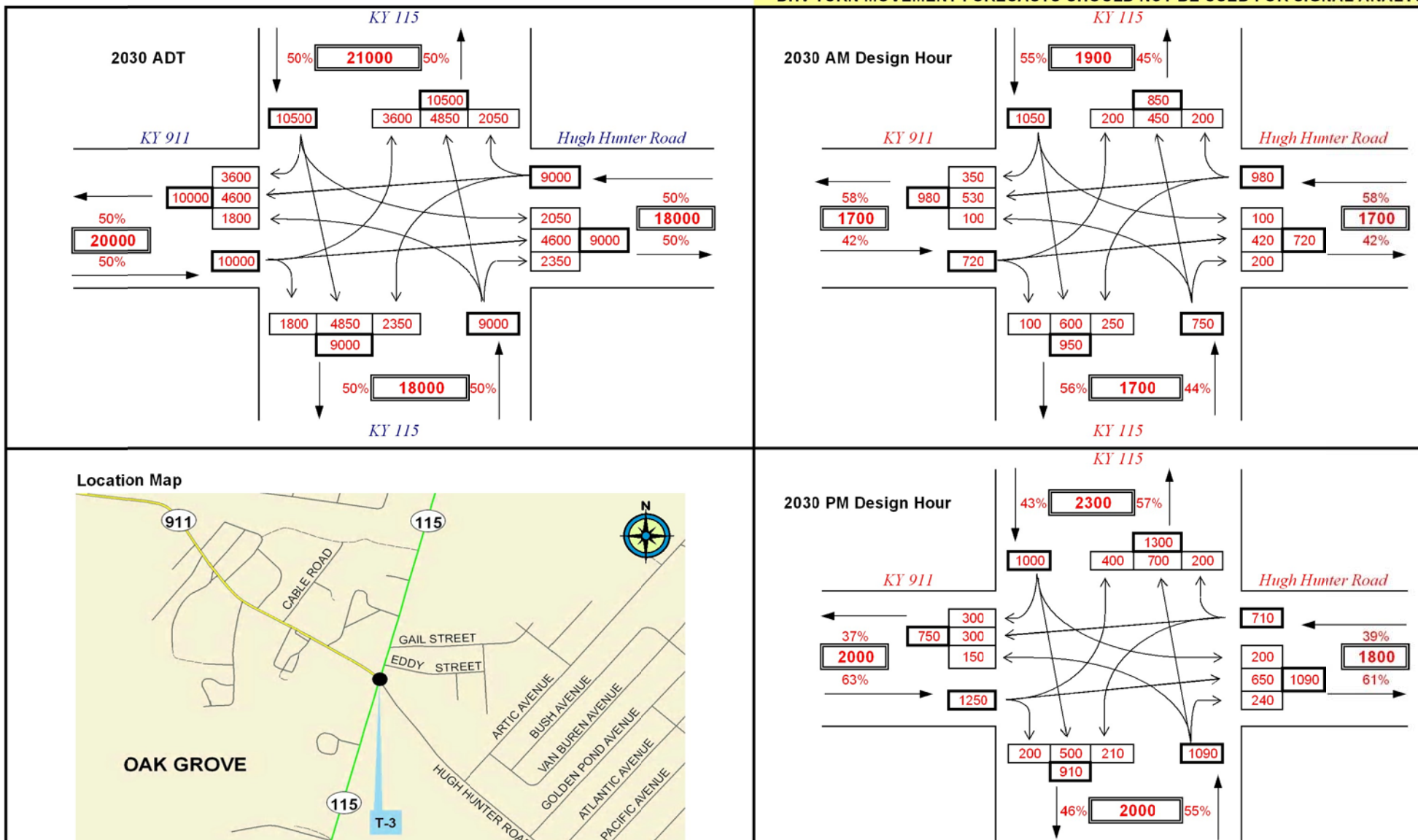
DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL ANALYSIS



The AM and PM DHV Turning Movement Forecasts are used primarily for designing the lane storage geometry of an intersection.

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Traffic growth rates from historical counts are used in combination with socio-economic data projections to develop the future year forecast.



Turn Movement Forecasts are developed using the raw data collected during Manual Turning Movement Counts.

The traffic forecast vicinity map provides an overview of the entire project site location and surrounding area.

T3: KY 911 @ KY 115

Date:	10/30/2007 T3 AM					Tuesday														
FC #:	16					9					16					17				
	KY 115					Hugh Hunter Road					KY 115					KY 911				
Start time	right	thru	left	right	thru	left	right	thru	left	right	thru	left	right	thru	left					
7:00 AM	35	43	8	32	31	20	9	24	9	2	33	12	3	33	12					
7:15 AM	28	50	18	23	22	8	4	25	3	6	30	11	13	35	15					
7:30 AM	39	33	12	29	15	10	13	27	9	1	6	35	15	35	15					
7:45 AM	32	43	8	17	39	10	17	29	12	9	32	23	32	23	23					
total	134	169	46	101	107	48	43	105	33	30	130	61	30	130	61					
8:00 AM	19	28	10	15	20	11	17	39	5	10	38	10	9	38	10					
8:15 AM	28	23	2	19	52	15	16	19	8	9	13	8	9	13	8					
8:30 AM	40	24	7	17	60	26	3	20	13	6	17	8	17	8	17					
8:45 AM	38	28	7	8	64	26	10	21	17	10	8	11	10	8	11					
total	125	103	26	59	196	78	46	99	43	35	76	38	35	76	38					
Grand Total	259	272	72	160	303	126	89	204	76	65	206	99	65	206	99					
	↓					←					↑					→				
Date:	10/29/2007 T3 PM					Monday														
	KY 115					Hugh Hunter Road					KY 115					KY 911				
Start time	right	thru	left	right	thru	left	right	thru	left	right	thru	left	right	thru	left					
4:00 PM	26	33	15	24	21	8	18	55	7	17	37	18	17	37	18					
4:15 PM	20	38	16	18	27	22	23	51	12	18	36	42	18	36	42					
4:30 PM	22	39	23	18	27	17	23	54	18	20	32	30	20	32	30					
4:45 PM	22	33	21	22	23	15	25	57	14	13	77	42	13	77	42					
total	90	143	75	82	98	62	89	217	51	68	182	152	68	182	152					
5:00 PM	24	39	16	14	16	22	37	51	18	21	41	25	21	41	25					
5:15 PM	30	48	23	16	27	17	24	52	13	25	60	39	25	60	39					
5:30 PM	22	45	24	19	40	16	32	42	19	24	62	40	24	62	40					
5:45 PM	33	25	18	12	29	25	16	33	12	15	58	42	15	58	42					
total	109	157	81	61	112	80	109	178	62	85	211	166	85	211	166					
Grand Total	199	300	156	143	210	142	198	395	113	153	393	318	153	393	318					

The traffic forecast summary map depicts the project road segment in greater detail including current and future traffic parameters.

